

Search Report

EIC 2800

STIC Database Tracking Number: 251874

To: ANTHONY GUTIERREZ

Location: JEF-6B19

Art Unit: 2857

Friday, February 22, 2008

Case Serial Number: 10/520011

From: PAUL KIM

Location: EIC2800

JEF-4B68 / JEF-4B59

Phone: (571)272-8949

paul.kim3@uspto.gov

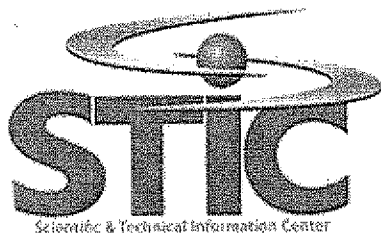
Search Notes

Attached are the search histories and edited search results from the Dialog. Although I didn't find exactly what you are looking for, I recommend you browse the results.

Based on this, if you have questions or would like a refocused search, please contact me.

Respectfully,
Paul Kim
Technical Searcher





STIC Search Results Feedback Form

EIC 2800

Questions about the scope or the results of the search? **Contact the EIC searcher or contact:**

Jeff Harrison, EIC 2800 Team Leader
571-272-2511, JEF 4B68

Voluntary Results Feedback Form

➤ I am an examiner in Workgroup: Example: 2810

➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to STIC-EIC2800, JEF-4B68



*** It is now 2/22/2008 12:40:37 PM ***

[File 347] JAPIO Dec 1976-2007/Oct(Updated 080129)

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Ref	Items	Index-term
E1	5	AU=MUSHO MATTHEW K
E2	2	AU=MUSHU MITSUAKI
E3	0	AU=MUSIAL WALTER
E4	1	AU=MUSIANI GIANCARLO
E5	1	AU=MUSIANI LORENZO
E6	1	AU=MUSIANI MASSIMO
E7	1	AU=MUSIC ELVIS
E8	2	AU=MUSICK CHARLES DAVID
E9	1	AU=MUSIL ROY
E10	2	AU=MUSIOL GUENTER
E11	1	AU=MUSIOL LOTHAR
E12	1	AU=MUSK ROBERT WILLIAM
E13	1	AU=MUSKALLA MICHAEL
E14	1	AU=MUSKATELLO JAMES
E15	1	AU=MUSKAVITCH MARC ALAN TELANDER
E16	3	AU=MUSKETT MICHAEL JAMES
E17	1	AU=MUSLEVE RICHARD THOMAS
E18	1	AU=MUSMANN HANS-GEORG
E19	3	AU=MUSMANN LOTHAR DR
E20	1	AU=MUSOLFF CARL F
E21	1	AU=MUSOLINO ANDREE
E22	1	AU=MUSS PETER
E23	1	AU=MUSS TIMOTHY MICHAEL
E24	1	AU=MUSSACK CHRISTOPHER J
E25	5	AU=MUSSACK CHRISTOPHER JOSEPH

Enter PAGE for more

? e au=WHITE DARRIS

Ref	Items	Index-term
E1	2	AU=WHITE DANIEL P
E2	5	AU=WHITE DANIELA
E3	0	AU=WHITE DARRIS
E4	2	AU=WHITE DAVID
E5	8	AU=WHITE DAVID C
E6	1	AU=WHITE DAVID GLEN
E7	1	AU=WHITE DAVID JOHN
E8	1	AU=WHITE DAVID WILLIAM
E9	1	AU=WHITE DAWNE A
E10	1	AU=WHITE DENNIS
E11	2	AU=WHITE DONALD L
E12	1	AU=WHITE DWAIN MONTGOMERY
E13	1	AU=WHITE EAGLE BRIAN L
E14	1	AU=WHITE ELIZABETH W
E15	4	AU=WHITE FRANK P
E16	1	AU=WHITE FREDERICK B
E17	8	AU=WHITE GEOFFREY H
E18	4	AU=WHITE GREGORY ALAN
E19	1	AU=WHITE GREGORY L
E20	1	AU=WHITE GREGORY LEE
E21	1	AU=WHITE GREGORY R

E22 1 AU=WHITE HARRY F
 E23 1 AU=WHITE IAN
 E24 4 AU=WHITE IAN A
 E25 3 AU=WHITE IAN ARTHUR
 Enter PAGE for more

Set	Items	Description
S1	133575	S BLADE? ? OR IMPELLER? ? OR VANE? ? OR PROPELLER? ?
S2	10987	S S1 (4N) (MOVAB? OR SLID? OR GLID? OR SHIFT???? OR POSITION? ?)
S3	22110	S CHANG??? (2N) POSITION? ?
S4	5157	S S1 (4N) (POSITION? ?)
S5	135	S S3 AND S4
S6	13710	S (MASS?? OR WEIGHT? ? OR LOAD? ?) (4N) (MOVAB? OR SLID? OR GLID? OR SHIFT???? OR POSITION? ?)
S7	97	S (S2 OR S5) AND S6
S8	89	S S7 NOT PY>2004
S9	1	S S8 AND ACTUATOR? ?
S10	1	S S8 AND SERVO?
S11	0	S S8 AND TEST???
S12	1855815	S MONITOR? OR DETECT? OR ISOLAT? OR DETERMIN? OR MEASUR????? OR EVALUAT???? OR DIAGNOS????? OR ANALYZ???? OR ANALYS????
S13	17	S S8 AND S12
S14	1410	S (MASS?? OR WEIGHT? ? OR LOAD? ?) (4N) S1
S15	233	S S12 AND S14
S16	215	S S15 NOT PY>2004
S17	103560	S ACTUATOR? ? OR SERVO???????
S18	12	S S16 AND S17
S19	355199	S AIRPLANE? ? OR AIRCRAFT? ? OR AIR (PLANE? ? OR CRAFT? ?) OR TURBINE? ? OR GENERATOR? ?
S20	355350	S AIRPLANE? ? OR AIRCRAFT? ? OR AIR () (PLANE? ? OR CRAFT? ?) OR TURBINE? ? OR GENERATOR? ?
S21	56	S S16 AND S20
S22	21	S S16 AND (RESONAN????? OR VIBRAT????? OR RECIPROCAT?????)

[File 342] **Derwent Patents Citation Indx 1978-07/200808**
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S1 14 S CT=US 3664179
 S2 25 S CT=(EP 1096660 OR JP 2001128487 OR US 6441571 OR JP 7316527 OR US 5425276 OR US 5102879 OR US 4519053)

[File 347] **JAPIO Dec 1976-2007/Oct(Updated 080129)**
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**File 347: File Histories now available for ordering when searching via DialogLink 5 and Web products, see HELP FILEHIST for more information.*

[File 350] **Derwent WPIX 1963-2008/UD=200812**

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**File 350: Chinese Utility Model registrations in English now available To order File Histories, see HELP FILEHIST for details.*

S1 25 S1:S5 FROM 347,350

Set	Items	Description
S1	48	S1:S11 FROM 347, 350
S2	8	S S1 AND RESONAN?????
S3	40	S S1 NOT S2

[File 2] **INSPEC** 1898-2008/Jan W3

(c) 2008 Institution of Electrical Engineers. All rights reserved.

[File 6] **NTIS** 1964-2008/Mar W1

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[File 8] **Ei Compendex(R)** 1884-2008/Feb W2

(c) 2008 Elsevier Eng. Info. Inc. All rights reserved.

[File 34] **SciSearch(R) Cited Ref Sci** 1990-2008/Feb W4

(c) 2008 The Thomson Corp. All rights reserved.

[File 35] **Dissertation Abs Online** 1861-2007/Oct

(c) 2007 ProQuest Info&Learning. All rights reserved.

[File 56] **Computer and Information Systems Abstracts** 1966-2008/Jan

(c) 2008 CSA. All rights reserved.

[File 57] **Electronics & Communications Abstracts** 1966-2008/Jan

(c) 2008 CSA. All rights reserved.

[File 60] **ANTE: Abstracts in New Tech & Engineer** 1966-2008/Feb

(c) 2008 CSA. All rights reserved.

[File 65] **Inside Conferences** 1993-2008/Feb 22

(c) 2008 BLDSC all rts. reserv. All rights reserved.

[File 68] **Solid State & Superconductivity Abstracts** 1966-2008/Feb

(c) 2008 CSA. All rights reserved.

[File 95] **TEME-Technology & Management** 1989-2008/Feb W2

(c) 2008 FIZ TECHNIK. All rights reserved.

[File 99] **Wilson Appl. Sci & Tech Abs** 1983-2008/Jan

(c) 2008 The HW Wilson Co. All rights reserved.

[File 103] **Energy SciTec** 1974-2007/Nov B2

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**File 103: For access restrictions see Help Restrict.*

[File 144] **Pascal** 1973-2008/Feb W3

(c) 2008 INIST/CNRS. All rights reserved.

[File 239] **Mathsci** 1940-2008/Feb

(c) 2008 American Mathematical Society. All rights reserved.

[File 434] **SciSearch(R) Cited Ref Sci** 1974-1989/Dec

(c) 2006 The Thomson Corp. All rights reserved.

[File 23] **CSA Technology Research Database** 1963-2008/Jan

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Set	Items	Description
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S1 14 AU='MUSIAL, WALT D':AU='MUSIAL, WALTER D. (ED.)' FROM
 2, 6, 8, 34, 35, 56, 57, 60, 65, 68, 95, 99, 103, 144, 239, 434, 23
 S2 7 AU='MUSIAL W P':AU='MUSIAL WALT D' FROM 2, 6, 8, 34,
 35, 56, 57, 60, 65, 68, 95, 99, 103, 144, 239, 434, 23
 S3 203 AU='MUSIAL W':AU='MUSIAL WD' FROM 2, 6, 8, 34, 35, 56,
 57, 60, 65, 68, 95, 99, 103, 144, 239, 434, 23
 S4 352 AU='MUSIAL, W':AU='MUSIAL, W.P.' FROM 2, 6, 8, 34, 35,
 56, 57, 60, 65, 68, 95, 99, 103, 144, 239, 434, 23
 S5 32 AU='WHITE, DARRIS':AU='WHITE, DARRIS L.' FROM 2, 6, 8,
 34, 35, 56, 57, 60, 65, 68, 95, 99, 103, 144, 239, 434, 23
 S6 1 AU='WHITE DARRIS L' FROM 2, 6, 8, 34, 35, 56, 57, 60,
 65, 68, 95, 99, 103, 144, 239, 434, 23
 S7 1835 AU='WHITE D' FROM 2, 6, 8, 34, 35, 56, 57, 60, 65, 68,
 95, 99, 103, 144, 239, 434, 23
 S8 394 AU='WHITE, D' FROM 2, 6, 8, 34, 35, 56, 57, 60, 65, 68,
 95, 99, 103, 144, 239, 434, 23
 S9 2592 S S1:S8
 S10 112 S S9 AND RESONAN?????
 S11 74 RD (unique items)
 S12 60 S S11 NOT PY>2002
 S13 1 S S12 AND (PROPELLER? ? OR IMPELLER? ? OR BLADE? ?)
 S14 21 S S12 NOT NUCLEAR

Set	Items	Description
S1	490800	S BLADE? ? OR IMPELLER? ? OR VANE? ? OR PROPELLER? ? OR ROTOR? ?
S2	24321	S (MASS?? OR WEIGHT? ? OR LOAD? ?) (5N)S1
S3	223592	S (CHANG??? OR ALTER??? OR SWITCH??? OR TRANSFER???? OR VARY??? OR MODIFY??? OR REARRANG???? OR ARRANG????) (4N) (POSITION? ? OR LOCATION? ? OR AREA? ? OR ORIENTAT??? OR PLACEMENT? ?)
S4	175	S S2 AND S3
S5	105	RD (unique items)
S6	1924880	S AIRPLANE? ? OR AIRCRAFT? ? OR AIR (PLANE? ? OR CRAFT? ?) OR TURBINE? ? OR GENERATOR? ?
S7	8034	S WINDMILL? ? OR WIND () MILL? ?
S8	1928365	S S6:S7
S9	49	S S8 AND S5
S10	1043	S AIR () (PLANE? ? OR CRAFT? ?)
S11	0	S S5 AND S10
S12	42	S S9 NOT PY>2004
S13	85266	S S1 (5N) (MONITOR? OR DETECT? OR ISOLAT? OR DETERMIN? OR MEASUR????? OR EVALUAT????? OR DIAGNOS????? OR ANALYZ????? OR ANALYS?????)
S14	126529	S (MASS?? OR WEIGHT? ? OR LOAD? ?) (5N) (MOVAB??????? OR SLID????? OR GLID????? OR SHIFT????? OR TRANSPORT????? OR DISPLAC????? OR SUPPLANT?????)
S15	61	S S2 AND S13 AND S14
S16	45	RD (unique items)
S17	45	S S16 NOT S12
S18	40	S S17 NOT PY>2004
S19	3788	S LINEAR () DISPLACEMENT? ?
S20	1	S S2 AND S19

Set	Items	Description
S1	141035	S (MASS?? OR WEIGHT? ? OR LOAD? ?) (3N) DYNAMIC????

S2 490800 S BLADE? ? OR IMPELLER? ? OR VANE? ? OR PROPELLER? ? OR
 ROTOR? ?
 S3 24321 S (MASS?? OR WEIGHT? ? OR LOAD? ?) (5N) S2
 S4 2786 S S1 AND S3
 S5 843 S S4 AND (RESONAN????? OR VIBRAT????? OR
 RECIPROCAT?????)
 S6 1925359 S AIRPLANE? ? OR AIRCRAFT? ? OR AIR () (PLANE? ? OR
 CRAFT? ?) OR TURBINE? ? OR GENERATOR? ?
 S7 38032854 S MONITOR? OR DETECT? OR ISOLAT? OR DETERMIN? OR
 MEASUR????? OR EVALUAT????? OR DIAGNOS????? OR ANALYZ????? OR ANALYS?????
 S8 404 S S6 AND S7 AND S5
 S9 326 RD (unique items)
 S10 0 S S5 AND (LINEAR () DISPLACEMENT? ?)
 S11 104 S S5 AND RESONANC????
 S12 81 RD (unique items)



FEB 20

251874

EIC 2800

FAST & FOCUSED SEARCH

Today's Date 2/20/08

This search cannot be started unless you:

A. Attach a copy of your EAST/WEST strategy.

B. Conduct an interview with your searcher.

Name Anthony GunderAU/Org. 2857 Employee # 78704Bld.&Rm.# Jeff 6919 Phone 2-2215

Priority App. Filing Date _____

Case/App. # 10/520011**Format for Search Results**EMAIL ☒PAPER ☒If this is an Appeals case, check here ☐

Describe this invention in your own words A TESTING MACHINE FOR A PROPELLER BLADE (FOR
EXAMPLE) THAT USES A MOUNTED MASS UNDER CONTROL TO MOVE
THE MASS CLOSER & FURTHER ALONG AN AXIS PERPENDICULAR TO THE BLADE
AND A HYDRAULIC ACTUATOR THAT MOVES THE BLADE BACK & FORTH IN
A BLADE HORIZONTAL AXIS ALL AT THE BLADE'S RESONANT FREQUENCY TO
STUDY STRAIN & STRESS

Synonyms BLADE, IMPELLER, PROPELLER, WING,
RESONANT, VIBRATION, RECIPROCATING

Additional Comments

Seems like DISCLOSED ART TEACHES MANY FEATURES, ^{BUT} INVENTIVE
ASPECT IS APPARENTLY:

- MOVABLE MASS HORIZONTAL TO BLADE INSTEAD OF ~~BLADE~~ ROTATING ECCENTRIC MASS
(PARAGRAPH 0009 OF DELETED
PUB)
- ABILITY TO CONTROL BOTH MASS MOVEMENT ^{ALONG} ~~ALONG~~ ONE AXIS WITH
HYDRAULIC ACTUATOR ALONG PERPENDICULAR AXIS (BOTH AXIS STILL PERPENDICULAR)
TO BLADE LENGTH AXIS) SIMULTANEOUSLY THROUGH CONTROLLER AT RESONANT
FREQUENCY

Please hand deliver completed form to your TIS.

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Searcher _____

Date Completed _____

Phone _____

Sources _____

11/07

6293550/19

Fulltext available through: Order File History

JAPIO

06293550 **Image available**

FISHING WEIGHT HAVING BUOYANCY BY RESISTANCE OF WATER

Pub. No.: 11-235142 [JP 11235142 A]

Published: August 31, 1999 (19990831)

Inventor: SHOJI HIDEO

Applicant: SHOJI HIDEO

Application No.: 10-087876 [JP 9887876]

Filed: February 24, 1998 (19980224)

International Class: A01K-095/00

ABSTRACT

PROBLEM TO BE SOLVED: To solve such problem that a heavy weight is caught by the sea bottom or hooked to obstacles to lose a tackle because conventionally the heavy fishing weight has been used in order to cast the bait or the lure distantly.

SOLUTION: The fishing weight is equipped with blades 2 on its upper part or flat projections are formed on the upper part or on the top edge of the weight so that the angle between the direction of the flat projections, when the weight is operated, to the horizontal line may exceed 0° but is less than 90°. Thus, when it is pulled, the weight receives the resistance of water so that it is floated up to reduce its hooking to rocks, seaweeds and the like. Even when a heavy weight is used, the lure or bait can be easily operated in the middle layer and the surface layer whereby the terminal tackle can be slowly sunk. In addition, the gravity center of the weight is shifted to the reverse direction to the direction to which the weight is pulled or the position of the blades is allowed to move to the direction to which the weight is pulled whereby the force acts on the weight so that it may slide far away as a glider does distantly and the fish hit can be readily detected since the fishing line is not loosened even when wind blows strong and waves are high.

13/9/1 (Item 1 from file: 6)

Fulltext available through: [Check for PDF Download Availability and Purchase](#)

NTIS

2402516 NTIS Accession Number: PB2008-100959/XAB

Resonance Test System

Musial, W. ; White, D.

National Renewable Energy Lab., Golden, CO.

Corporate Source Codes: 102636000

Sponsor: Department of Energy, Washington, DC.

Report Number: PAT-APPL-10-520 011

Filed 3 Jul 02 13p

Language: English **Document Type:** Patent

Journal Announcement: USGRDR0801

Sponsored by Department of Energy, Washington, DC.

This Government-owned invention available for U.S. licensing and, possibly, for foreign licensing. Copy of patent available Commissioner of Patents, Washington, DC 20231.

Product reproduced from digital image.

NTIS Prices: PC A03/MF A01

Country of Publication: United States

Contract Number: DE-AC36-99GO10337

An apparatus for applying at least one load to a specimen according to one embodiment of the invention may comprise a mass. An actuator mounted to the specimen and operatively associated with the mass moves the mass along a linear displacement path that is perpendicular to a longitudinal axis of the specimen. A control system operatively associated with the actuator operates the actuator to reciprocate the mass along the linear displacement path at a reciprocating frequency, the reciprocating frequency being about equal to a **resonance** frequency of the specimen in a test configuration.

Descriptors: *Patent applications; *Structural loads; *Wind turbine blades; * **Resonance**; Actuators; Test systems

Identifiers: *Wind-powered generator systems; Linear displacement paths; Reciprocating frequencies; NTISGPDE

Section Headings: 46E (Physics--Structural Mechanics); 97O (Energy--Miscellaneous Energy Conversion and Storage); 90GE (Government Inventions For Licensing--General)